

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Larg Entity)***(Only for new nonprovisional applications under 37 CFR 1.53(b))*Docket No.  
**14683Z**Total Pages in this Submission  
**4**U.S. PTO  
17322  
10/7/12  
111303**TO THE COMMISSIONER FOR PATENTS**Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**METHOD OF DETECTING NUCLEIC ACID**

and invented by:

**Akira Suyama**  
**Kunio Hori**If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: **09/872,881**

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Enclosed are:

**Application Elements**

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having **76** pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☒ Cross References to Related Applications *(if applicable)*
  - c. ☐ Statement Regarding Federally-sponsored Research/Development *(if applicable)*
  - d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings *(if filed)*
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure

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**Application Elements (Continued)**

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
- a. ☒ Formal                      Number of Sheets 14
- b. ☐ Informal                      Number of Sheets \_\_\_\_\_
4. ☒ Oath or Declaration
- a. ☒ Newly executed *(original or copy)*                      ☐ Unexecuted
- b. ☒ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
- c. ☒ With Power of Attorney                      ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☒ Incorporation By Reference *(usable if Box 4b is checked)*  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under  
Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby  
incorporated by reference therein.
6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. ☐ Application Data Sheet (See 37 CFR 1.76)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
- a. ☐ Computer Readable Form (CRF)
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statement(s) Verifying Identical Paper and Computer Readable Copy

**Accompanying Application Parts**

9. ☐ Assignment Papers *(cover sheet & document(s))*
10. ☐ 37 CFR 3.73(B) Statement *(when there is an assignee)*
11. ☐ English Translation Document *(if applicable)*
12. ☒ Information Disclosure Statement/PTO-1449                      ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16. ☒ Certificate of Mailing
- ☐ First Class    ☒ Express Mail *(Specify Label No.):* EV 185862046 US

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**(Large Entity)**

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**Accompanying Application Parts (Continued)**

17. ☒ Additional Enclosures *(please identify below)*:

Assignee Name: Olympus Optical Co., Ltd.  
Assignee Address: Tokyo, Japan

Copy of Petition for Extension of Time  
Associate Power of Attorney

**Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)**

18. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

***Warning***

***An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.***

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Larg Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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[19] Correspondence Address

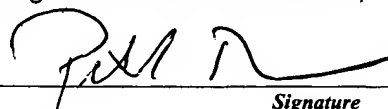
Customer Number: 23389

**Fee Calculation and Transmittal**

**CLAIMS AS FILED**

| For   | #Filed | #Allowed | #Extra | Rate      | Fee        |
|---|--------|----------|--------|-----------|------------|
| Total Claims  | 33     | - 20 =   | 13     | x \$18.00 | \$234.00   |
| Indep. Claims   | 2      | - 3 =    | 0      | x \$86.00 | \$0.00     |
| Multipl Dependent Claims (check if applicable) <input type="checkbox"/> |        |          |        |           | \$0.00     |
| BASIC FEE   |        |          |        |           | \$770.00   |
| OTHER FEE (specify purpose) _____                                       |        |          |        |           | \$0.00     |
| TOTAL FILING FEE  |        |          |        |           | \$1,004.00 |

- ☒ A check in the amount of **\$1,004.00** to cover the filing fee is enclosed.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **19-1013/SSMP** as described below.
- ☐ Charge the amount of \_\_\_\_\_ as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

  
Signature

**Peter I. Bernstein**  
Registration No. 43,497

Dated: November 13, 2003

PIB:dg  
cc:

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Akira Suyama, et al.

Docket No.

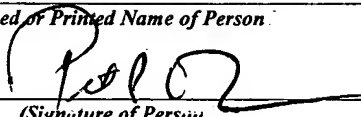
14683Z

Serial No.  
UnassignedFiling Date  
HerewithExaminer  
UnassignedGroup Art Unit  
Unassigned

Invention:

**METHOD OF DETECTING NUCLEIC ACID**I hereby certify that this **New Continuation Application***(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Director of the United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 on

November 13, 2003*(Date)***Peter I. Bernstein***(Typed or Printed Name of Person)*  
*(Signature of Person)***EV 185862046 US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicant(s):** Akira Suyama, et al.

**Examiner:** Unassigned

**Serial No:** Unassigned

**Art Unit:** Unassigned

**Filed:** Herewith

**Docket:** 14683Z

**For:** METHOD OF DETECTING  
NUCLEIC ACID

**Dated:** November 13, 2003

Mail Stop Patent Application  
Commissioner for Patents  
P.O. 1450  
Alexandria, VA 22313-1450

**ASSOCIATE POWER OF ATTORNEY (37 C.F.R. § 1.34)**

Sir:


Please recognize as Associate Attorney in this case:

Peter I. Bernstein

Scully, Scott, Murphy & Presser  
400 Garden City Plaza  
Garden City, NY 11530

Registration No. 43,497  
Telephone No. (516) 742-4343

Respectfully submitted,



Thomas Spinelli  
Registration No. 39,533

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Garden City, New York 11530  
(516) 742-4343

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**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

**Express Mailing Label No.:** EV185862046 US

**Date of Deposit:** November 13, 2003

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450.

**Dated:** November 13, 2003

  
Peter I. Bernstein